
Parallels H-Sphere 3.6.3 Windows Server Migration Guide

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Migrating Windows Server

This document describes migration of a Windows web hosting from Windows 2003 to Windows 2008 64-bit or Windows 2008 R2.

Notes:

- This procedure doesn't move products such as Miva, Cold Fusion etc. In order to use them on the new server, you need to install them manually before the migration.
- You may lose AWStats and Webalizer statistics for the time of migration.
- SSL certificates are not migrated. They will need to be installed again.
- Apply the following KB before migration: <http://kb.parallels.com/en/9015>
- Dedicated IP addresses are not created automatically. They will need to be created manually using netsh Windows utility.

Step 1: Install H-Sphere winbox software on the target box

The target box must have a fresh install of Windows 2008 Server as required in Winbox Installation manual. Don't set up customer accounts or domains.

There are some special steps for Window 2008:

- Disable password complexity requirements policy on the target box (go to "Local Security Policy" -> "Accounts Policies" -> "Password Policy" and set "Password must meet complexity requirements" to "Disabled").
- Install ASP.NET 1.1. For installation instructions refer to <http://blogs.iis.net/bills/archive/2008/06/02/installing-asp-net-1-1-with-iis7-on-vista-and-windows-2008.aspx>

Step 2: Change IP of the physical server in CP

Disable Signup on the source server for the time of migration to avoid data loss. In the admin CP, select E.Manager -> P.Servers and click the name of the server. In the IP 1 field, enter the new IP of the server. In the Mask 1 field, enter the mask for this IP.

Step 3: Run PhysicalCreator on the CP box

In the admin CP, select P.Servers of the E.Manager -> Servers menu and click server info for the Winbox in question. Check if server info shows on the page that appears. If not, the CP server can't communicate with the Winbox. Make sure to fix this issue before proceeding.

Run `PhysicalCreator` as the `cpanel` user:

```
java -Xms64M -Xmx512M psoft.hsphere.tools.PhysicalCreator -rg winweb -co -lid LOGICAL_SERVER_ID 2>&1 | tee creator.log
```

Step 4: Move content using the rsync tool

➤ *On the target server:*

Check your service processes to make sure that HSquotas is running. In the directory <DISK>\Program files\hsphere\3rdparty\rsync on the target server, add the following lines to the end of `rsync.conf` file:

```
[UNIQUE_SESSION_ID_STRING]
```

```
path = /cygdrive/c/hshome
read only = false
comment = content area
list = false
```

➤ *On the source server:*

In the <DISK>\Program files\hsphere\3rdparty\rsync directory, create file `rsynccontent.bat` with the following content:

```
rem %1 = path to content to move
rem %2 = cygwin path to content to move
rem %3 = target IP
rem %4 = target module name

rem FOR /F "usebackq delims=" %%i IN ('dir /B/A:D %1') DO rsync.exe -avpgoz
"/cygdrive/%2/%%i" %3::%4

rem The following line for moving content without compression
FOR /F "usebackq delims=" %%i IN ('dir /B/A:D %1') DO rsync.exe -av
"/cygdrive/%2/%%i" rsync://%3/%4
```

In the command prompt, launch content move from the source server to the target server:

```
rsynccontent.bat <DISK_WITH_USER_HOMES_ON_SOURCE_SERVER>:\hshome
<DISK_LETTER>/hshome TARGET_WINBOX_IP UNIQUE_SESSION_ID_STRING >
rs.log
```

For example:

```
rsynccontent.bat e:\hshome e/hshome 192.0.34.166 asdfasdf-b041-4d62-8a9f-
qwerqwerqwer > rs.log
```

Step 5: Stop rsync on the target box

Remove lines, added at **Move content using the rsync tool** step from `rsync.conf`.

Step 6: Replace server

Move all IPs of the source box to the target one. Change server IP in CP back to old one.

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